

THE Y-12 BULLETIN

A NEWSPAPER BY AND FOR Y-12 EMPLOYEES OF CARBIDE AND CARBON CHEMICALS DIVISION

Union Carbide And Carbon Corporation

Volume 4, No. 10

OAK RIDGE, TENNESSEE

Wednesday, March 15, 1950

Y-12 SETS NEW MARKS IN CAMPAIGN

Group Insurance Dividend Checks Out On Friday

Dividend checks in the amount of \$125,068.24 will be distributed on Friday, March 17, to eligible employees at the three Carbide installations in Oak Ridge who participated in the Carbide Group Insurance Plan during 1949. The amount represents the dividend returned by the Metropolitan Life Insurance Co. on the Group Insurance Plan at Y-12, K-25 and Oak Ridge National Laboratory.

Dividend checks, which will be separate from regular pay checks, will be distributed to all Carbide employees on March 17, the regular pay day for hourly and weekly payroll employees. Checks for exempt salary employees will also be available at regular pay points on the same date. The 1949 dividend represents a return of more than 26 per cent of dues contributed on life insurance up to the first \$5,000 of insurance and will be distributed to 8,566 participants, 90 per cent of the total Carbide employment as of December 31, 1949.

In addition to \$125,068.24 distributed as dividends, participating employees received as benefits for temporary disability from sickness and accident \$231,856.85, from total and permanent disability provisions \$38,040.00, and from payment to beneficiaries of employees who died during 1949 \$189,406.00, making a grand total of \$584,374.09 paid in benefits and dividends during the past year.

New Schedule Is Set For Pay Distribution

A recent check having shown the present hours of distributing pay checks not to be necessary for the convenience of all employees of Y-12, the periods will be curtailed effective this Friday, March 17, for hourly and weekly paid employees.

The new schedule for distribution of pay checks for weekly and hourly paid employees at the North and West Portals will be from 6:30 a.m. to 8 a.m. and 2:30 p.m. to 4 p.m. Checks will be given out at the East Portal from 7:30 a.m. to 8 a.m. Monthly paid employees will receive their checks in the future at the North and West Portals from 6:30 a.m. to 8 a.m. and 2:30 p.m. to 3:30 p.m. and at the East Portal from 7:30 a.m. to 8 a.m.

In the past distribution at the North Portal was from 6:30 a.m. to 8 a.m. and 2:15 to 5 p.m., East Portal 7:30 a.m. to 8 a.m. and 4:30 p.m. to 5 p.m. and West Portal from 6:30 a.m. to 8 a.m. and 2:15 p.m. to 3:30 p.m.

Most Get Checks Early

The check of employees calling for pay checks showed that a great majority received them early in the day, with the distribution falling off sharply in the afternoon hours and being practically non-existent after 4 p.m., making it unnecessary to keep the distribution windows after that hour.

To care for any employees who are unable to pick up pay checks during the new scheduled hours, the office of the Paymaster in Bldg. 9704-2 will remain open until 5 p.m. each pay day.

Vice President Of Carbide To Get Honor



Harry B. McClure

Harry B. McClure, division vice-president of the Carbide and Carbon Chemicals Division, Union Carbide and Carbon Corporation, will receive the Commercial Chemical Development Association Award at the association's annual meeting in New York on March 22.

The presentation will be made during a banquet to be held at the Roosevelt Hotel where the annual meeting of the Commercial Chemical Development Association will be held.

The CCDA Honor Award, being given for the first time this year, has been established by the association to provide annual recognition of an individual who has made outstanding contributions to the commercial chemical development field. McClure had devoted his energies to this field since 1931.

During this period he has been responsible for the introduction to industry of approximately 200 synthetic organic chemicals not previously available on a commercial basis. Many of these chemicals, which were only laboratory curiosities in 1930, now are being shipped in tank car quantities to manufacturers who utilize them in many diverse applications, including plastics, synthetic textiles, protective coatings, and pharmaceutical synthesis.

McClure joined the Carbide organization in 1928 after receiving B. S. and M. S. degrees from the University of Pennsylvania. He is well known as an author and speaker on chemical development topics, and holds membership in the CCDA, the Chemical Market Research Association, the American Chemical Society, and other technical associations. The honorary degree of D. Sc. was conferred upon him in 1938 by Morris Harvey College, Charleston, W. Va.

The award dinner on March 22 will climax the 1950 annual meeting of the Commercial Chemical Development Association.

Physics Society Program Includes Y-12 Offerings

Two papers by Y-12 scientists will be presented during the three-day general meeting of the American Physical Society in Oak Ridge Thursday Friday and Saturday of this week that will bring some of the leading physicists of the nation here for the sessions. The society meeting is expected to be one of the largest of its kind held in the Atomic City and will be the 298th held by the organization. Sessions will be held in the Center Theater and the East Lounge of the Ridge Recreation Hall.

Y-12 Papers Offered Thursday

The Y-12 contributions will be presented at a session beginning at 2 o'clock Thursday afternoon in the East Lounge of Ridge Hall devoted to papers on nuclear physics. One will be entitled "The Isotopic Analysis of Nitrogen by Means of a Microwave Mass Spectrograph." It will be presented by H. W. Morgan and co-authors are William V. Smith, G. E. Kielholtz and A. L. Southern. All are in the Isotope Research and Production Department. "Gamma-Spectrum of Barium 131" is the title of the other paper. It will be presented by E. L. Zimmerman, also of the Isotope Research and Production Department. Co-authors are E. B. Dale, D. G. Thomas and J. D. Kurbatov, of Ohio

(Continued on Page 4)

Red Cross Quota Is Met In Five Days; Donations Reach 136 Per Cent

Again—as usual—Y-12ers have maintained—and improved—their record in responding to worthy appeals for aid to community projects.

Generously answering the annual call for financial assistance by the Oak Ridge Chapter of the American Red Cross, Y-12ers dug deep and quickly. As a result the plant far exceeded its 1950 quota and by Monday had even topped 1949 figures in actual money raised and percentage of quota achieved.

The plant was assigned a quota of \$1,600. The campaign was opened on Wednesday, March 1, and at the close of the work day last Tuesday, March 7—just five working days after the drive was launched—this amount had been contributed. It was turned over to the Red Cross the following morning and Y-12 for the third year was the first major industrial unit in Oak Ridge to go "over the top" in the campaign.

However—that wasn't all. Departments and groups from throughout the plant who had not been reached in the first solicitation continued to pour their donations into the coffers of the plant committee. As a result the contributions soared to \$2,177 by noon on Monday and were expected to reach an even higher figure as a final few pledge cards were returned.

1949 Percentage, Funds Topped

That \$2,177 figure represented 136 per cent of the quota assigned to the plant. It topped the 114 per cent percentage reached in 1949 and the five working days in which the campaign reached its quota also was below the less than seven days required for the drive last year. The \$2,177 total subscriptions for 1950 also exceeded the 1949 contributions of \$2,063.25 at the same stage of the campaign.

(Continued on Page 2)

SAFETY MESSAGE SET FOR Y-12ERS FRIDAY IN PLANT CAFETERIA

All Y-12ers are urged to endeavor to arrange their lunch hours Friday, March 17, so as to be able to be in the plant cafeteria at noon on that day to hear a special safety message to be given by Y-12 Area Superintendent W. D. Lavers.

NEW FIRE ESCAPE PATENTED

A novel fire escape has just been patented, according to the National Patent Council. A victim trapped above a ground floor of a burning building simply drops a light steel cable out of a window, climbs into a chain seat and descends to safety. The rate of descent can be determined by means of a brake.



6-1230
TROPHIES, TROPHIES—AND MORE TROPHIES—\$500 WORTH OF THEM IN FACT, PRESENTED by the Company to winners in the Carbide bowling tournament are shown on display above at the Y-12 Recreation Office. In the rear are the recreation supervisors of the three Carbide units in Oak Ridge who worked hard and long on arrangements for the tournament, which was acclaimed as a big success by all of the many participants. From left are Harold Mate, Oak Ridge National Laboratory recreation supervisor; Ralph Waddell, assistant recreation supervisor at K-25; Arnold Tiller and Al Burris, recreation supervisors at Y-12 and K-25 respectively. For pictures of Y-12 tournament winners, turn to Page Three.

Y-12 Photos By Vince Moore

SAFETY SCOREBOARD

Your Plant Has

Operated

264 DAYS

Without A Lost Time

Accident

THROUGH MARCH 12

Y-12 Bulletin

Published Weekly By
CARBIDE AND CARBON
CHEMICALS DIVISION,
Union Carbide And Carbon
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Begorra—and the top o' the mornin' to all yez Irishers—come Friday. Wearin' of the green will be stylish that foine day with good old St. Pat the toast of the sons of auld Erin.

The Assay Laboratory reports Warren Beyer back at work after spending a one-week vacation at home in Oak Ridge . . . Walter Rice was called home last week because of the illness of his mother . . . Herbert Gwinn and family were on vacation last week down in St. Petersburg, Fla. . . . Nell Leonard is vacationing this week at her home in Rogersville . . . Annie Rogers and Marcell Ferguson spent the past week end at their homes in South Carolina.

K. O. Johnsson, of Chemical Research, and his folks spent a recent week end over at Jamestown, Tenn., visiting relatives . . . The department welcomes W. L. Lowry back on the job after a recent illness . . . Get well quick wishes are extended Ed Fields, on the sick list . . . Claude Haws had to forego his usual Saturday fishing trip recently for a trip to the dentist . . . Emily Leyshon is welcomed back after a recent illness.

Mr. and Mrs. Herbert Castle, of Norris, and Mr. and Mrs. Carl Spurling, of Andersonville, were recent guests of L. L. Hawkins, of the Y-12 Laundry . . . The department welcomes Maude Duncan back to work after a recent illness.

George Schaefer, of Electrical Maintenance, is reported ill at home with pneumonia and the department sends get well wishes.

Someone just peeked at that purported Irish brogue in the first paragraph and allowed as how it sounded more like half Scotch and half ginger ale. (Aw—go 'way.)

Field Maintenance sends recovery wishes to R. E. McGill and welcomes H. J. Finger back after an illness.

Boyd S. Weaver, of Isotope Research and Production, is on the hospital list with departmental friends hoping he will not be there long.

Planning and Estimating Department folks are extending sympathy to W. T. McNamara and family over the death of his brother-in-law recently in Boston, Mass.

A pair of Y-12ers have come by some peculiar ailments as the result of extra-curricula mishaps, our agents report. Lyle (Atlas) Langford, of Maintenance Shops, is said recuperating from a recent attack of house moving (!) while E. H. Hutson, of the Stores Department, is doing likewise from a broken toe reported sustained when he dropped a manhole cover on the member (!) (?).

William A. Cortner is welcomed in the Plant Engineering Department . . . Howard L. Martin recently had as guest his brother, Frank Martin, of Omaha, Neb. . . . The department is extending get well wishes to Milo Martin, former Y-12er and brother of Howard Martin, who is recovering from an operation at his home in Sylacauga, Ala.

The Stores Department reports that Paul Brownlow and his father spent a recent week in Louisiana . . . C. O. Pollard and Helen Matthews both are on the sick list and best wishes are extended for quick recoveries for both . . . Get well wishes also are sent to Towns S. Curtis, who is back in the Oak



ROLLINS—BLAKE

Miss Mona Lee Blake, of the Y-12 Assay Laboratory, was married Monday, February 27, to Thomas M. Rollins, of Clinton. The ceremony was performed at 7:30 p.m. at the Memorial Methodist Church at Clinton by the Rev. Arthur H. Jones, pastor.

Mrs. Rollins is the daughter of Mr. and Mrs. Eugene Blake, Oakdale, Tenn. The groom is the son of Mr. and Mrs. Clayton C. Rollins, Sr., 1506 Beaver St., Parkersburg, W. Va.

At her wedding the bride wore a ruffled blue suit with navy accessories and a corsage of white orchids. She had no attendants.

During the ceremony nuptial music was played by Mrs. J. B. Richardson, organist.

Following the ceremony a dinner was given for families of the bride and groom at the Park Hotel, Clinton.

Among the out-of-town guests attending the ceremony were Mr. and Mrs. James Eugene Blake, Oakdale; Mrs. Clayton C. Rollins, Sr., Parkersburg, W. Va.; Mrs. James C. Robinson, Newport, R. I.; Miss Christina Robinson, Newport, R. I.; Mr. and Mrs. H. A. Miles, Oakdale; Mr. and Mrs. Alvin Blake, Knoxville; Mrs. Oma King, Rockwood, Tenn.; and Mr. and Mrs. H. A. Cassada, Evansville, Ind.

The bride attended Berry College at Mt. Berry, Ga., near Rome, and also Evansville College, Evansville, Ind. The groom attended Potomac State College, Keyser, W. Va., and the Resico School of Watchmaking, Charleston, W. Va. He is connected with the Lake Jewelry Co., Clinton.

The couple is living in Clinton.

Y-12ers Assist Organizing Air Reserve Group

Three Y-12ers with reserve commissions as lieutenants in the Army Air Force are among a group now organizing an Oak Ridge Air Force Provisional Group. They are W. K. Prater, Isotope Research and Production; S. W. Thomas, Field Maintenance; and George Oliphant, Plant Engineering.

The group will hold its second meeting at 7:30 o'clock tonight, Wednesday, March 15, at the armory just outside Elza Gate. The first meeting was held last week.

The Reserve Provisional Group in Oak Ridge will be composed of reservists who are employees of the Atomic Energy Commission and its contractors. A similar unit recently was organized at Los Alamos, N. M., with a membership of 300 and an application list of 500 additional reservists that the group is unable to accommodate at this time because of lack of training facilities.

Training With Pay Planned

Mobilization assignments will be given the Reserve Provisional Group by the Special Weapons Command and training with pay will be authorized for the airmen. Training will be offered in various fields to include all Air Force reservists, including scientific and technical, engineering, all-weather flying, flight testing, administration and radiological.

Col. William Britton is commander of the Oak Ridge group.

Successful men are rarely supermen. And men who never make mistakes are rarities. But don't make the same mistake twice!

Ridge Hospital . . . W. D. Hill is vacationing this week at his home in Duff, Tenn.

Mary Jennings is welcomed in the Urnaum Control and Computing Department . . . Jeanne Claire Kennedy spent a recent week end with her folks in Roanoke, Va. . . . Madeline Franklin had as recent week-end guests her brother and his family from Hildebrand, N. C.



Mrs. Thomas M. Rollins

Y-12 Sets New Marks In Red Cross Drive

(Continued from Page 1)

Because of the universal and speedy response to the Red Cross appeal, it has been impossible to pick out any one department or division as being first under the wire in the 100 per cent participation class. There is credit enough for all and it should go to everyone in the plant for cooperating so fully in making the campaign the big success it was.

Superintendent Lavers Pleased

Y-12 Area Superintendent W. D. Lavers, chairman of the plant solicitation committee, was especially pleased at the outcome of the movement in the plant.

"The way Y-12 responded to the Red Cross appeal shows that we are warmly interested in the needs of Oak Ridge and the agencies that administer these needs," Superintendent Lavers said. "I am very pleased and want to heartily congratulate every employee in the plant for helping us to exceed our quota in the campaign."

H. O. Ramey, Superintendent of Personnel, was co-chairman of the plant solicitation committee that carried the campaign to every corner of the plant. Other committee members were J. E. Keeton, Isotope Research and Production; K. O. Johnsson, Chemical Research; Paschal Hamrick, Industrial Relations; W. S. Herron, Chemical; J. C. Little, Plant Engineering; L. E. Parsons, Electromagnetic Research Laboratory; Nelson Tibbatts, Shops and Maintenance Division; Bruce Whitaker, Manufacturing Offices; and W. C. Davis, Stores.

Headlines In Chemistry Program Is Announced

James Cox, of the Oak Ridge National Laboratory, will be interviewed on the Headlines in Chemistry radio program to be given at 9:15 o'clock Sunday night, March 19, over WATO, Oak Ridge Station. His topic will be "Peaceful Uses of Radioisotopes." Arthur Miller, of Fairchild, will be reporter on the program and Charles D. W. Thornton, of the Atomic Energy Commission, host.

Scientific news items to be covered on the program include development of nylon inner tubes for automobiles, new spray for athlete's foot and prospecting for uranium from the air.



The following Y-12 employees were patients in the Oak Ridge Hospital last week: Towns S. Curtis, Stores; Helen Hackworth, Analytical Laboratory; Boyd S. Weaver, Isotope Research and Production; John R. Duckworth, Chemical Research; Charles P. Riner, Field Maintenance; James C. Booher, Guard Department; Ava M. Jackson, Training; and Daisy F. Whitehead, Medical.



DOANE-BAXTER

A social event of interest to Y-12ers set for mid-summer will be the wedding of Miss Nancy Doane, of the Y-12 Chemical Research Department; and Lynn J. Baxter, an electrical engineer with the Tennessee Valley Authority, Knoxville. The engagement was announced last week by parents of the bride-to-be.

The bride-elect is the daughter of Mr. and Mrs. Clarence Doane, of Cynthiana, Ky. Baxter is the son of Mrs. C. C. Baxter, of Birmingham, Ala.

Miss Doane attended Georgetown College, Georgetown, Ky., and Baxter attended the Alabama Polytechnic Institute, Auburn, Ala.

KINCAID-REDMAN

The engagement of Miss Jean Kincaid, of the Oak Ridge National Laboratory; and John Redman, of the Y-12 Chemical Research Department; has been announced by Mr. and Mrs. J. S. Kincaid, of Morganton, N. C., parents of the bride-elect. Redman is the son of Mr. and Mrs. J. D. Redman, of Oakland City, Ind.

The wedding will be an afternoon affair and will be held some time in May at The Chapel-On-The-Hill in Oak Ridge. The Rev. Frank Porter, pastor of the First Methodist Church, of Oak Ridge, will officiate.

Matron of honor will be Mrs. Al Crisp, of Grava, N. C., and bridesmaids chosen by Miss Kincaid are Miss Ruth Jones, of the Analytical Laboratory in Y-12; Miss Jane McFarland, of Miami, Fla.; and Mrs. Jim Harder. George Nessel, of Y-12, will be best man.

Miss Kincaid attended Maryville College, Maryville, Tenn., while Redman is a graduate of the University of Indiana, Bloomington, Ind.

Museum Sets Free Open House Next Sunday

Y-12ers and members of their families who have not recently visited the American Museum of Atomic Energy in Oak Ridge will be given an opportunity to do so free of charge next Sunday, March 19, it has been announced by David L. DeJarnette, curator of the museum. The occasion is observance of Oak Ridge Day in commemoration of the first anniversary of opening of the museum at the same time Oak Ridge was declared an "open city."

DeJarnette has announced that a number of new exhibits have been obtained by the museum and will be shown for the first time Sunday. The museum will be open on that date from 12:30 p.m. to 8:30 p.m. for the free showing.

More than 40,000 persons have visited the museum since it opened last year, it has been announced. The institution is operated by the Oak Ridge Institute of Nuclear Studies for the Atomic Energy Commission.

Carbide Wives Set Canasta For Party

Wives of Y-12ers who enjoy a good game of canasta are invited to take advantage of an opportunity to play at the regular monthly meeting of the Carbide Wives set for 7:30 o'clock tonight, Wednesday, March 15, in the East Lounge of the Ridge Recreation Hall. Bridge and rummy also will be played.

Mrs. Robert Atteberry, member of the executive board of the Carbide Wives, will be in charge of the meeting. Hostesses will include Mesdames H. K. Walker, chairman; C. H. McIntyre, T. W. Morton, Dale Magnuson, R. J. Fox, Kyle Morrison and Edgar Almgren.

Approximately 5,000 trolley cars still operate in a score of American cities.



Miss Nancy Doane



Miss Jean Kincaid

Statistical Quality Control Parley Set

The Tennessee Section of the American Society for Quality Control and the University of Tennessee will present an interesting two-day conference on statistical quality control at the university in Knoxville on Thursday and Friday, April 13 and 14. The announcement of the meeting invited all Y-12ers interested in the topic to attend the sessions.

The program will be divided into two parts. The first is designed for persons with prior knowledge of the subject and the second for those with little or no information on statistical quality control.

Y-12ers interested in attending the conference may register by mail with T. R. Bainbridge, chairman of the Tennessee Section of the American Society for Quality Control. He may be reached at the office of Coordinator of Conferences, Division of University Extension, University of Tennessee.

The complete program for the conference has not yet been completed, but will be announced prior to the opening date of the sessions.

Two Y-12 Scientists Present Papers At Optical Society

Two theoretical papers on spectroscopy were presented by Y-12 scientist last week at the national meeting of the Optical Society of America in New York City. The meetings were held March 9, 10 and 11; and the Y-12 men on the program were Dr. J. Rand McNally, Jr., and Paul M. Griffin, both of the Isotope Research and Production Department.

Griffin's paper was entitled "Interferometric Investigation of Calcium and Mercury." McNally's subject was "Hyperfine Structure of U-235."

New Hospital Bed May Become Boon

A new hospital bed that can be operated by the patient without the aid of a nurse may be a boon to nurses and patients alike, the National Patent Council reports. The inventors claim that the electrically and hydraulically controlled bed is foolproof—the patient cannot end up in an awkward position.

There are more than 1,000 women who have taken up law. The other 50,000,000 are laying it down.



THE PROUD Y-12 BOWLERS WHO WON TROPHIES IN the recent Carbide tournament are pictured here with their prizes. No. 1—The Cast Offs team that posted the best team scratch score from left, are Olyne Poindexter, Margaret O'Neal, Ruth Law, Helen Thurman and Mozelle Kennedy. No. 2—The Woes team of the W League that won first place in team handicap scoring, from left are Ann Matlock, Lora Mason, Mabel Moody, Agnes Tiller and Gene Phillippi. No. 3—Margaret O'Neal is shown with her team trophy, the big prize for finishing in a tie for third place in scratch single scores and the second place trophy in doubles won playing with Olyne Poindexter. No. 4—Olyne Poindexter is shown with her small team and doubles trophies and the big prize won for winning third place in the all events scoring with handicap. No. 5—Betty Sherman, left, and Margaret O'Neal get in a friendly dispute over possession of the trophy for the third best singles scratch score, for which they tied. Both girls will get similar trophies. No. 6—The men bowlers of the plant did not have as good luck as the feminine athletes as but one top honor was brought back to Y-12, that the scratch doubles title taken by Conrad Roberts, left, and Frank Gragg, who are being congratulated by H. O. Ramey, Y-12 Superintendent of Personnel.

Plant Bowling League Officers Will Plan Tournament Thursday

Plans for the annual Y-12 bowling tournament to determine the plant championship for the season will be discussed at an important meeting of officers of the three plant leagues set for 2 o'clock Thursday afternoon, March 16, in the Recreation Office, North Portal.

Any member of any Y-12 bowling team will be welcomed at the meeting to give their ideas on the tournament, which will be held within the next three weeks.

The exact tournament dates, rules and other matters pertaining to the event will be discussed at the

Thursday session.

The competition will be open to all men's bowling teams in the plant. In addition to this tournament, a roll-off will be held between the winners of the three men's leagues with plans to be announced after conclusion of the regular schedules.

**More Sport News
On Page Four**



SPORTS NEWS

Golfers Of Y-12 Meet Thursday To Plan League Play For Season

A call for all golfers in Y-12 to attend an organizational meeting and to discuss plans for operation of plant leagues during the coming season has been issued by Recreation Supervisor Arnold Tiller who has asked all divot diggers in the plant to meet at noon Thursday, March 16, in the dining hall of the Y-12 cafeteria.

Every golfer in Y-12 is urged to attend this organizational meeting to help formulate plans and to present their ideas on operation of plant golf leagues.

During last season three leagues were playing on a handicap basis and for the most part the system of operation proved satisfactory to all participants. To insure that the leagues can operate on a basis satisfactory to all the Recreation Department has urged a full attendance at the Thursday meeting.

OrphansBumpGuards, Circuits Take Four

The Orphans got by a challenge of Guard Department keglers last Wednesday night at the Central alleys with a four-point victory to increase their lead in the C League over the Hooks. The Hooks failed to keep pace with the league leaders as they could gain no better than an even split in their clash against the blustery Hurricanes.

Hot As \$2 Cyclotron

Meanwhile the Short Circuits, for weeks the cellar team in the loop, got as hot as a two-buck cyclotron to bury the Moles under a four-point defeat and rise from eighth place to top the second division. In the other league match the Hornets kept their fourth place roost firm by stinging the Thin Pins for four.

The Guards put up a good fight against the Orphans, but the victors just threw the book at the boys in blue by taking all team scoring honors. The Orphans started out with a 865 scratch game, boosted it to 1,040 with handicap, then posted a 2,395 scratch series for high of the second round and then went on to grab off a 2,920 handicap series.

Green, Koons, Francis Are Tops

Aiding in these accomplishments by the Orphans was E. Green with a 215 scratch single game and 253 handicap game and Elmore Koons with a 514 scratch series. Pete Francis bumped out a 642 handicap series for the Short Circuits for tops in that category.

League standing follows:

Team	W	L	Team	W	L
Orphans	28	12	Short Circuits	17	23
Hooks	24	16	Thin Pins	16	24
Guards	23	17	Hurricanes	16	24
Hornets	21	19	Moles	15	25

Keglerettes Of Y-12 Enter Women's City Bowling Meet

Keglerettes of Y-12 who have done right well by themselves of late will seek additional honors in the Oak Ridge women's city tournament to be staged Saturday and Sunday at the Oak Terrace alleys.

The plant varsity team that has been burning up the alleys recently is a sure entry, as are the Controllers of the W League of plant bowlers. As of last Friday it was practically certain that the Kemps and Dodgers, also of the W League, would enter the tournament.

Team competition will be staged Saturday with singles and doubles being rolled Sunday.

Maintenance, Rippers Score Whitewash Wins

The Maintenance keglers of the B League held their position at the top of the loop last Thursday night by mauling the Wolves for four big points, but the Rippers, in second place, maintained the margin by walloping One-91 by the same edge. Meanwhile the Mules slipped up into third place by taking the Bums for three points.

Other Results Noted

In other league matches the All Stars grabbed three from the Comets and the Bumpers twisted the Tigers' tails for three. The Head Pins rounded out the alley activities of the night by clipping the Cubs for three.

The Maintenance and Rippers pinmen were red hot in their bowling, setting third round high marks in team scoring in which they shared honors. The Maintenance lads grabbed off the best single game scores with 882 scratch and 1,063 handicap. The Rippers posted a 2,529 scratch series and boosted it to 3,018 with handicap.

Dunlap Takes Scoring Honors

Joe Dunlap, of Maintenance, paced his team to victory with a 214 scratch game, boosted to 245 with handicap and also got the best handicap series of the night with 646. However, Ernie Cobble posted the best scratch series of the third round and the night with a 583.

League standing follows:

Team	W	L	Team	W	L
Maintenance	13	3	Cubs	8	8
Rippers	12	4	Wolves	7	9
Mules	10	6	Bums	6	10
Tigers	9	7	Head Pins	6	10
All Stars	9	7	Comets	5	11
Bumpers	9	7	One-91	2	14

Robins May Play In Knoxville Tourney Latter Part Of Week

The Y-12 Robins probably will play in the Southern Appalachian basketball tournament in Knoxville the latter part of the week, tournament officials announced Monday. Backers of the team who plan to travel with the team to Knoxville are advised to watch Knoxville papers for the schedule.

Meanwhile the Y-12 Blue Jays flew high and the Speckled Birds flew low in their opening tournament games. The Jays beat the Brick Mill Raiders by 25 to 20 but the Birds got bumped by the C. M. McClung cagers, 44 to 31. The Jays were scheduled to meet Gateway Sporting Goods Monday night.

GARBAGE PILE?

Recent newspaper stories have reported that Robert Barker, 26, British scientist, has shown newsmen a portable atomic pile the size of a garbage can. He claims the garbage-can size pile will produce as good radioactive isotopes as the vast atomic piles operated by the British government at Harwell.

Foreman: "Why are you carrying only one sack when all the other workmen are carrying two?"

Laborer: "Well, I suppose they're too lazy to make two trips like I do."

D Bowling Loop Ends Season With Playoff

The D League of plant pinmen wound up their season last night (Tuesday, March 14) in a three-team playoff between winners of the three rounds of the season. This event pitted the Strikers, first round winners; Termites, victors in the second round; and Materializers, triumphant in the final period of play. The Termites were champions of the league for the past two seasons.

Materializers Win Third Round

The Materializers clinched third round honors last week by repulsing a threat from the Angstroms, second place team that had been burning up the loop in the latter stages of play. However, when the chips were down, the Materializers came through with a three-point victory to build up a six-game margin at the end of the period of play.

The Angstroms won the first game in this match but the third round champs came through in the second game, 960 to 946, for the title-clinching point. Frank Knox rolled a 218 scratch game for the winners while Elkin Burkhardt was high for the Angstroms.

Koons Leads Individual Scorers

Elmore Koons went on a scoring spree to lead the Overheads to a three-point win over the Isotopes, taking all individual honors. His 236 scratch game matched Frank Gragg's best effort for the third round and a 599 scratch series was just one pin less than the 600 posted by Knox earlier. Koons ended up with a 263 handicap game and 680 handicap series. The Isotopes got their only point on a 1,009 handicap single game, high for the round, helped by Paul Wilkinson's 212 scratch game, which became 258 with handicap. The Overheads' handicap series of 2,820 also was tops for the night.

The Splinters wound up their season in fine style by walloping the Old Men for four points. Leo Caldwell led the attack with a 482 scratch series, followed by Harold Ratjen's 460. Ratjen was the most consistent bowler of the year, not missing a single game of league play, being the only bowler able to boast of this feat, and finishing with one of the higher averages in the loop.

Termites Topped By Strikers

The old rivals, Strikers and Termites, tangled again with the Strikers taking three points. In doing so the Strikers had the best scratch team scores of the night, a 800 single game and 2,238 series.

League standing at the end of the third round of play follows:

Team	W	L	Team	W	L
Materializers	26	6	Splinters	15	17
Angstroms	20	12	Overheads	12	20
Termites	19	13	Old Men	11	21
Strikers	15	17	Isotopes	10	22

Katie Williams Rolls 531 To Lead Y-12ers To Victory

On March 2 it was Ruth Law who burned up the Oak Terrace alleys for a 544 scratch single series to lead the Y-12 women's varsity bowlers to a three-point victory and last Thursday night Katie Williams came through with almost as impressive 531 scratch score for three games to give the Y-12 lasses their second three-point victory in succession. The victims this time were the Fairchild keglerettes.

Katie Williams' sizzling 531 was made up of games of 164, 191 and 176. It was the second high for the third round of play, just behind Ruth Law's score, and fourth high for the entire season. Other Y-12 scores were Olyne Poindexter 152, 151, 153—456; Margaret O'Neal 161, 144, 118—423; Betty Sherman 136, 156, 131—423 and Ruth Law 125, 129, 136—390.

The Y-12ers rolled scratch games of 78, 771, 714—2,223 against 696, 708, 684—2,088 for Fairchild. The Y-12 team ended up last Thursday night just two points back of Roane-Anderson, in eighth place in the league.

Don't make the inexcusable mistake of underestimating your capabilities or possibilities. Aim high!

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Physics Society Meet Opens On Thursday; Program To Include Papers By Y-12 Men

(Continued From Page 1)

State University.

Solid-state physics will be the main theme of the society talks and the meeting is expected to draw a large number of Y-12ers to hear the discussions by the outstanding physicists listed as speakers.

Smoker and Banquet Scheduled

In addition to the business sessions that open Thursday morning and continue through Saturday morning, an enjoyable program of entertainment has been arranged for the scientists attending the meeting.

Visiting and local members of the society will be given an opportunity to meet and "talk shop" at a three-hour smoker to be given by Carbide from 8:30 p.m. to 11:30 p.m. Thursday in the East Lounge of Ridge Hall.

The principal social event of the meeting will be a social hour and annual banquet of the American Physical Society at 6 o'clock Friday night at the Oak Terrace. An after dinner talk will be given by Dr. A. M. Weinberg, director of research of the Oak Ridge National Laboratory.

L. E. Burkhart Has Tickets

Y-12ers wishing to attend the banquet are urged to obtain tickets from L. E. Burkhart, Bldg. 9734, telephone 7298, not later than 4 o'clock Thursday afternoon. Other persons from whom tickets may be obtained are Dr. E. J. Murphy, ORNL, telephone 6256; Dr. Dixon Callahan, K-25, telephone 8-9447; Don Cowan, Fairchild, telephone 8-9661-30; Miss Barbara McClannahan, Oak Ridge Institute of Nuclear Studies, telephone 5-8411; and John Ruch, Atomic Energy Commission, telephone 4291.

The program will open at 10:30 o'clock Thursday morning in the Center Theater with presentation of papers on solid-state physics, largely metallurgical.

At 1:30 o'clock Thursday afternoon in the Center Theater a symposium of the division of solid-state physics will be held. Talks will include "Nucleon Bombardment of Semi-Conductors," by K. Lark-Horowitz, of Purdue University and consultant to the physics division of the Oak Ridge National Laboratory; "Germanium Filament Experiments," by W. Shockley, of the Bell Telephone Co. laboratories; "Recent Work on Diffusion," by R. Smoluchowski, of the Carnegie Institute of Technology; and "Ring Diffusion in Metals," by C. Zener, of the University of Chicago.

Also on Thursday afternoon at 2 o'clock will be the session for papers on nuclear physics at Ridge Hall, when the Y-12 papers will be presented.

Meetings Resume Friday Morning

The business sessions will be resumed at 9:30 o'clock Friday morning in the Center Theater when another symposium on the division of solid-state physics will be held. Papers will be presented by B. E. Warren, of the Massachusetts Institute of Technology on "Order and Disorder in Alloys," Fred Seitz, of the University of Illinois, on "Statistics of Luminescent Crystal-counters," C. G. Shull, of ORNL, on "Neutron Diffraction Studies of Ferromagnetic and Antiferromagnetic Substances," and P. W. Anderson, of the Bell Telephone Co. laboratories, on "Theory of Antiferromagnetism."

The symposium will continue at 1:30 o'clock Friday afternoon at the Center Theater. The program provides for talks on "Recent Experiments on Ferromagnetic Domains and Domain Walls," by H. J. Williams, of the Bell Telephone Co. laboratories; "Research on Ferroelectricity," by A. von Hippel, of MIT; "Theory of Ferroelectricity," by J. C. Slater, of MIT; and "Nuclear Relaxation in Solids," by N. Bloembergen, of Harvard University.

At 2 o'clock Friday afternoon in the East Lounge of Ridge Hall a presentation of papers on miscellany in electron physics and solid-state physics will be held.

Meet At High School Saturday

The technical sessions will move to the Oak Ridge High School auditorium at 9:30 o'clock Saturday morning for a symposium on the diverse aspects of beta emission. Papers will be presented on "Theory of Forbidden Beta-Ray Transitions," by E. J. Konopinsky, of the University of Indiana; "Measurements of Forbidden Beta-Spectra with the Scintillation Spectrometer," by P. R. Bell, of ORNL; "Isomeric Transitions in Nuclei," by Peter Axel, of the University of Illinois; "Measurement of Short-Lived Isomeric States," by F. K. McGowan, of ORNL and S. DeBenedetti, of the Carnegie Institute of Technology; and "Double Beta-Decay," by E. L. Fireman, of Princeton University.

Also at 9:30 o'clock Saturday morning at Ridge Hall will be a presentation of papers on semiconductors.

Departments Swap Attendance Standings

Dept. 2619, Chemical; and Dept. 2077, Electrical Maintenance; second and first place departments in the Major League attendance standings for the week ending February 26, swapped positions for the week ending March 5—and also swapped their exact absentee percentage marks.

Percentages Also Swapped

The Chemical Department rose to the top of the list and boasted of a perfect attendance record for the week ending March 5. Electrical Maintenance, which reported "all present" the preceding week, dropped back to second place with an absentee mark of only .5 per cent—the same as Chemical had the previous reporting period.

The Guard Department finished in third place in the Major League for the same period, jumping up from eighth place and reporting .9 per cent of its personnel absent.

Only One Repeater Listed

In the Minor League only two departments reported perfect attendance records for the week ending March 5 and only one of them was a repeater. It was the Steam Plant. In the same perfect attendance bracket was Maintenance Utilities, which was in third place the preceding week.

Second place in the Minor League was taken by Plant Engineering with an absentee mark of only .6 per cent. This department advanced from eighth place held the previous week. Third place went to Cafeteria and Canteens with an absentee record of .8 per cent and which was in a first place tie the preceding week.

The plant absentee record the week ending March 5 was 3.3 per cent, an increase of .2 per cent over the previous week. The record, by departments, follows:

MAJOR LEAGUE				
Dept.	More Than 50 Employees	Percentage Absent	Scheduled Standing	3-5-50 2-26-50
2619	0.0	1	2	
2077	0.5	2	1	
2091	0.9	3	8	
2015	2.1	4	3	
2003	2.6	5	9	
2360	2.7	6	5	
2320	2.8	7	4	
2283	3.9	8	10	
2014	4.0	9	7	
2616	4.3	10	6	
2282	5.2	11	13	
2142	6.0	12	11	
2300	7.7	13	12	

Group absentee percentage was 3.2 per cent, .6 per cent higher than the preceding week.

MINOR LEAGUE				
Dept.	15-49 Employees	Percentage Absent	Scheduled Standing	3-5-50 2-26-50
2743	0.0	1	1	
2005	0.0	1	3	
2060	0.6	2	8	
2107	0.8	3	1	
2009	1.4	4	10	
2133	2.5	5	4	
2002	3.2	6	11	
2270	3.3	7	9	
2140	3.77	8	13	
2098	3.84	9	12	
2109	4.0	10	2	
2001	4.7	11	7	
2200	5.5	12	6	
2143	6.3	13	8	
2096	6.66	14	1	
2090	6.66	14	14	
2739	8.6	15	5	

Group absentee percentage was 3.5 per cent, .8 per cent lower than the preceding week.

The plant average for the week ending March 5 was 3.3 per cent, .2 per cent higher than the preceding week.

Railroad Chemist To Speak Before Analytical Chemists

V. E. Amspacher, chief chemist of the Pennsylvania Railroad, will be the guest speaker at the March meeting of the Analytical Chemists Group of the East Tennessee Section of the American Chemical Society to be held at 7:30 o'clock Monday night, March 20. The session will be held at the special training division building of the Oak Ridge Institute of Nuclear Studies, near the Atomic Energy Commission administration building, according to Dr. C. J. Barton, of Y-12, chairman of the group.

Amspacher's topic will be "Analytical Chemistry in the Solution of Railroad Problems." In addition to this address there will be a description and display of micro-analytical apparatus.



6-1218

Y-12 Photos By Vince Moore

AS USUAL, A NUMBER OF Y-12ERS, "EXES" AND THEIR wives, helped make the third annual Lions Club minstrel show a big success. Gathered in one group are the Y-12 entertainers participating in the production pictured above. The Simon Legree character standing at left is Paul Hagelston and then from left are Don Cowan, former Y-12er, now of Fairchild, and Phil Rueff, a piano team de luxe; Joe Preslar and Jim Keeton, the Injun gent. In the front row are Bill Cobb and Mrs. Cobb, the bashful barefoot girl; Mrs. Chris Keim and Elmer Olsen. Cris Keim is the hold-up and pull-down guy threatening the pint-sized (joke, that is) cow to "give or else." The gent with the catalog at the right is Bill Tunnell.

Hi Balls Prove Woe To Woes, Capture Three

In one of the dingiest of the dongest bowling battles of the many staged by the W League of Y-12 keglerettes this season, the Hi Balls last Wednesday night halted the upward surge of the Woes by handling the good wives of employees a three-game wallowing. The defeat ended a nine-week string of two-out-of-three victories turned in by the Woes that took them up to the top of the loop and ousted them from the top spot.

First Place Is Shared

By virtue of their victory, the Hi Balls advanced to achieve a half-share of first place in the league. The other half share was held by the Controllers, who bought it cheap by getting a three-game forfeit decision from the Pick Ups, who were unable to field a complete team. Behind these two teams were the Kemps, who kicked the lowly Spinners for three games. The Dodgers rounded out the program by taking three from the Rattlers.

In the knock-em-down feature attraction the Hi Balls gained their big margin of games through taking advantage of their handicap. In scratch scoring the teams each won one game and then tied in the final. In total scratch scores, however, the Hi Balls outscored their foes to earn their triumph.

Controllers Roll Good Scores

The Hi Balls' handicap series of 2,810 was tops for the night. When it came to other team scoring it might have been just as well the Pick Ups didn't show up for the Controllers took to the alleys anyhow and rolled a 728 scratch single game, 974 handicap game and 1,948 scratch series to top all the other scores reported. Lillian Howard, of the Dodgers, had the best series scores with 445 scratch and 616 handicap. Ruth Law, rolling for the Hi Balls, got a 161 scratch single game and 219 with handicap for tops.

League standing follows:

Team	W	L	Team	W	L
Hi Balls	20	10	Dodgers	16	14
Controllers	20	10	Pick Ups	14	16
Kemps	19	11	Rattlers	10	20
Woes	18	12	Spinners	3	28

Rathkamp Leads Y-12 To Triumph

With W. R. Rathkamp firing a 284 scratch score, 293 with handicap, the Y-12 rifle team defeated the K-25 sharpshooters 1,448 to 1,441 last Friday night at the Oak Ridge Sportsmen's Association range. Rathkamp's score was the highest scored in league circles this season. Other Y-12 handicap scores were H. D. Patterson 290, Bill Bell 289 and Al Ryon and Tom Swindell 288 each. The Y-12 team will fire against Oak Ridge National Laboratory Friday night of this week.

Varsity Keglers Enter State Meet; Bow To ORNL

The Y-12 men's varsity bowling team has entered the Tennessee state bowling tournament to be held in Chattanooga and will compete on Lookout City alleys Saturday and Sunday, March 25 and 26. The team will roll March 25 and doubles and singles will be staged Sunday.

ORNL Bags Victory

The Y-12ers have been making a good showing in the Oak Ridge City League this season, despite a loss to Oak Ridge National Laboratory keglers March 6 on the Oak Terrace alleys. Making the trip to Chattanooga will be Ernie Cobble, Frank Gragg, Nelson Tibbatts, Rudy Pletz, Elmore Koons and Conrad Roberts. Any one of these lads, or any combination, is liable to wreak havoc with the pins if they hit a hot streak.

Against ORNL the Y-12ers got away to a poor start and could never quite catch up, although they took the last game of the series to prevent a whitewash. The line scores for Y-12 were 793, 780, 923—2,496 and 810, 805, 901—2,516 for the victors.

Tibbatts Rolls 207 Game

Tibbatts bagged a 207 single game to top his mates in that category and preceded it with games of 165 and 157 for a series score of 529. However, this was one pin behind Pletz who rolled 182, 160, 188—530. Other Y-12 scores were Koons 143, 193, 189—525; Gragg 158, 128, 174—460; and Roberts 145, 142, 165—452.

Y-12ers Drop Out Of State Leaders

After holding their position among the first 10 teams in the Tennessee state women's bowling tournament at Nashville for more than a week, the Y-12 lassies were tumbled out of the select list following posting of scores Sunday, it was learned Monday morning. Three other Oak Ridge women's teams, however, were in the top 10 late Sunday night. They were Oak Ridge National Laboratory, leaders in the Oak Ridge City League, who were third in the state meet; Tulip Town seventh and K-25 ninth.

Physics Seminar Session Cancelled

The regular weekly meeting of the Oak Ridge Physics Seminar, scheduled for Friday afternoon, March 17, has been cancelled because of the meeting of the American Physical Society now set for the week end in Oak Ridge. The seminar sessions will be resumed next week.



TAKING TIME OUT FOR A CUP OF THE Y-12 CAFETERIA's fine coffee during the meeting of managers of Atomic Energy Commission units in Y-12 last week are, left to right, Carleton Shugg, assistant to the general manager of the AEC; Richard W. Cook, manager of Oak Ridge operations; and Carroll L. Wilson, general manager of AEC. AEC managers and other officials from all over the country attended the three-day meeting here.